

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1-6. (Cancelled)

7. (Currently Amended)     ~~The catheter of claim 1,~~ A balloon catheter comprising:  
an elongate shaft having a distal region and a proximal region and defining a lumen  
therebetween; and  
an inflatable balloon disposed over a portion of the distal region of the elongate shaft, the  
balloon having distal and proximal portions and distal and proximal ends;  
wherein the balloon is configured to expand to a first expansion configuration when a  
first amount of fluid is inserted into the balloon, and to expand to a second expansion  
configuration when a second, greater, amount of fluid is inserted into the balloon; wherein when  
the balloon is in the first expansion configuration, the distal portion of the balloon is expanded  
and the proximal portion of the balloon is in a collapsed configuration;  
wherein the proximal portion of the balloon is releasably attached to the shaft;  
wherein the proximal portion of the balloon and shaft are heated to releasably attach the  
proximal portion to the shaft.

8-31. (Cancelled)

32. (Currently Amended) ~~The catheter assembly of claim 28,~~ A catheter assembly  
comprising:  
an elongate shaft having a distal region and a proximal region and a lumen disposed  
therebetween;  
an expandable balloon disposed about the distal region of the shaft;  
wherein the balloon is configured such that as an inflation fluid is inserted into the  
balloon, the balloon is expanded from a completely collapsed configuration to a partially inflated  
configuration and then to a fully inflated configuration; wherein a diameter of the balloon in the

partially inflated configuration is substantially the same as a diameter of the balloon in the fully inflated configuration;

wherein in the partially inflated configuration a first portion of the balloon is inflated while a second portion of the balloon remains uninflated, and in the fully inflated configuration, both the first and second portions of the balloon are inflated;

wherein the balloon has first and second ends bonded to the shaft; wherein the second portion of the balloon is releasably attached to the shaft;

wherein the second portion of the balloon and the shaft are heated to releasably attach the second portion to the shaft.

33. (Currently Amended) ~~The catheter assembly of claim 28;~~ A catheter assembly comprising:

an elongate shaft having a distal region and a proximal region and a lumen disposed therebetween;

an expandable balloon disposed about the distal region of the shaft;

wherein the balloon is configured such that as an inflation fluid is inserted into the balloon, the balloon is expanded from a completely collapsed configuration to a partially inflated configuration and then to a fully inflated configuration; wherein a diameter of the balloon in the partially inflated configuration is substantially the same as a diameter of the balloon in the fully inflated configuration;

wherein in the partially inflated configuration a first portion of the balloon is inflated while a second portion of the balloon remains uninflated, and in the fully inflated configuration, both the first and second portions of the balloon are inflated;

wherein the balloon has first and second ends bonded to the shaft; wherein the second portion of the balloon is releasably attached to the shaft;

wherein the second portion of the balloon is releasably attached to the shaft with a releasable adhesive.

34-37. (Cancelled)

38. (Currently Amended) ~~The catheter of claim 37;~~ A balloon catheter comprising:

an elongate shaft having a distal region and a proximal region and defining a lumen therebetween; and

an inflatable balloon disposed over a portion of the distal region of the elongate shaft, the balloon having a first longitudinal portion and a second longitudinal portion and distal and proximal ends;

wherein the balloon is configured for the first longitudinal portion to expand to a first expansion configuration when a first amount of fluid is inserted into the balloon, and for the second longitudinal portion to expand when a second, greater, amount of fluid is inserted into the balloon;

wherein the second longitudinal portion of the balloon is releasably attached to the shaft;

wherein the second longitudinal portion of the balloon and shaft are heated to releasably attach the proximal portion to the shaft.

39. (Currently Amended) ~~The catheter of claim 37,~~ A balloon catheter comprising:

an elongate shaft having a distal region and a proximal region and defining a lumen therebetween; and

an inflatable balloon disposed over a portion of the distal region of the elongate shaft, the balloon having a first longitudinal portion and a second longitudinal portion and distal and proximal ends;

wherein the balloon is configured for the first longitudinal portion to expand to a first expansion configuration when a first amount of fluid is inserted into the balloon, and for the second longitudinal portion to expand when a second, greater, amount of fluid is inserted into the balloon;

wherein the second longitudinal portion of the balloon is releasably attached to the shaft;

wherein the second longitudinal portion of the balloon is releasably attached to the shaft with a releasable adhesive.

40-44. (Cancelled)